

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Masahiro OZAKI, et al.

SERIAL NO: New U.S. PCT Application Based on PCT/JP03/15443

GAU:

FILED: Herewith

EXAMINER:

FOR: COMPUTER-AIDED DIAGNOSTIC APPARATUS

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.



Marvin J. Spivak

Registration No. 24,913

Customer Number

22850

Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 05/03)

Surinder Sachar

Registration No. 34,423

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 272683US2X PCT		SERIAL NO. 10/537285 New U.S. PCT Application Based on PCT/JP03/15443	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Masahiro OZAKI, et al.			
				FILING DATE Herewith		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AO	9-35043	02/07/97	JP		NO	
	AP	2003-575	01/07/03	JP		NO	
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW						
	AX						
	AY						
	AZ						<input type="checkbox"/> Additional References sheet(s) attached
Examiner					Date Considered		
<p>*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>							

New U.S. PCT Application Based on PCT/JP03/15443
Docket No.: 272683US2X PCT

STATEMENT OF RELEVANCY

- 1) References AO have been cited in the International Search Report. Copies of these references are being submitted herewith only when not automatically provided by the International Searching Authority.
- 2) References _____ have been cited in the corresponding _____ Search Report. A copy of these references is being submitted herewith.
- 3) Reference _____ is discussed in the specification. A copy of these references is being submitted here with.
- 4) Reference AP is additional prior art known to Applicant. A copy of these references is being submitted herewith.

AP JP 2003-575 The image diagnosis supporting system according to the invention is provided with a CAD 4 for MMG image for detecting the presence/absence of fine calcifying and tumor on the basis of MMG image data 2 and generating a stochastic value for the detected fine calcified part or tumor to be malignant on the basis of the feature data of the detected calcified part and tumor, a CAD 5 for US image for detecting the presence/absence of a tumor on the basis for US image data 3 and generating a stochastic value for the detected tumor to be malignant on the basis of the feature data of the detected tumor, and a total CAD 6 for calculating a total stochastic value yout by weighing stochastic values y1 and y2 with a weighing coefficient m1 for MMG and a weighing coefficient m2 for US corresponding to the combination of the contents of a signal showing the presence/absence of fine calcifying and tumor from the CAD 4 for MMG image and a signal showing the presence/absence of the tumor from the CAD 5 for US image.

Consequently, according to the image diagnosis supporting system of the invention, accuracy in diagnosis support is improved by deciding whether the same disease is benignant or malignant from a plurality of diagnostic methods.